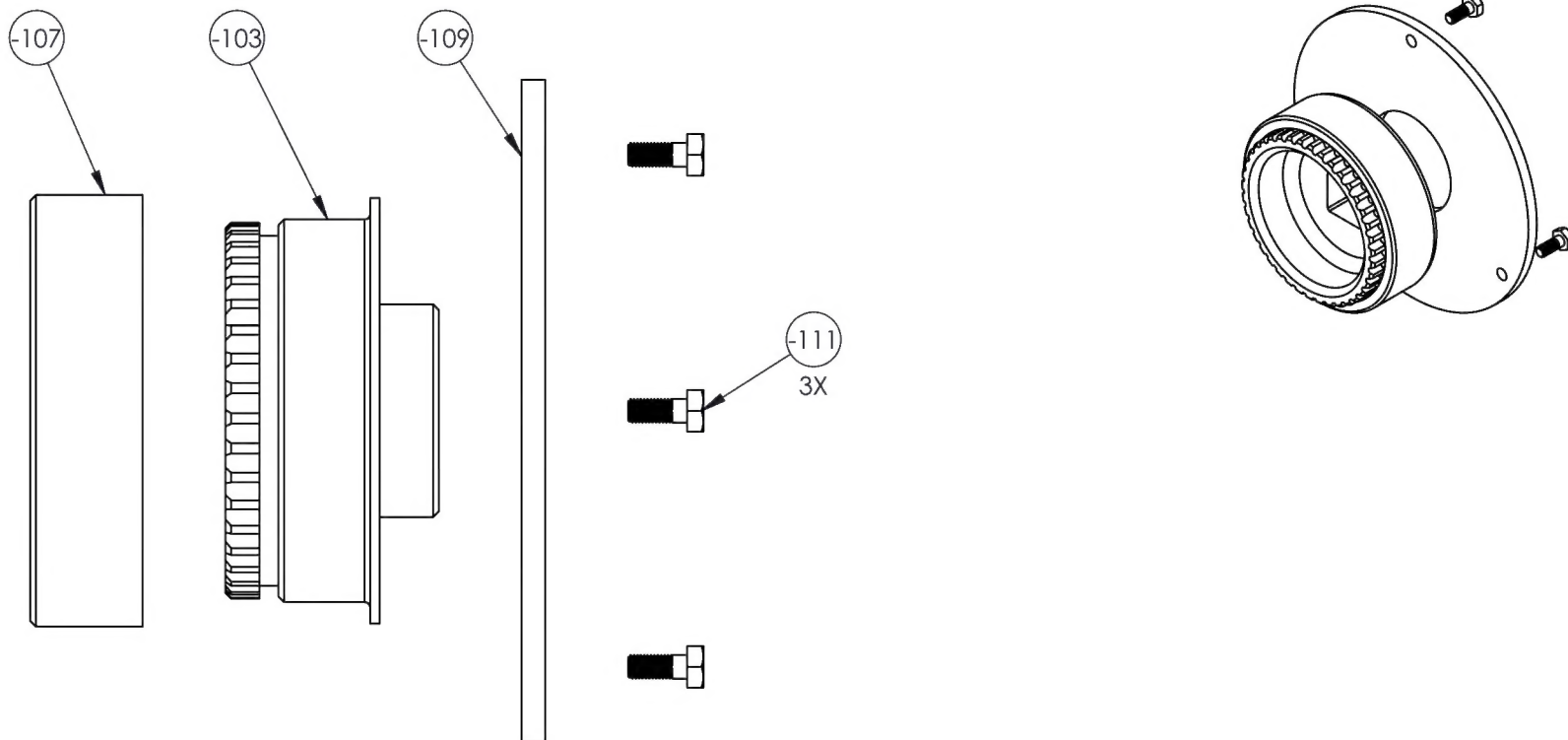


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CH'D TITLEBLOCK & REVISION BLOCK. ADDED ENGRAVE NOTE P/N -103. ADDED SECTION VIEW P/N'S -103 & -107. CH'D DRAWING NUMBER FROM 407-240-004-101. CH'D MATERIAL P/N -103 & -107. ADDED TOLERANCES & P.F. NOTE TO P/N -103 & -107, ADDED T/N RBT400289 TO THIS TOOL SHEET 4.	6/26/09	RJC	DW
2	15-0020	REDRAWN IN SOLIDWORKS. -111 ADDED. -103 CH'D SQUARE DRIVE WAS 1.000 SQUARE, IS 2X 1.004-1.009 WITH 1.350 MIN. DIM. CH'D DIMENSION WAS Ø4.045 +.000-.001 IS Ø4.0450 - 4.0441. -107 CH'D DIMENSION WAS Ø4.044 +.001-.000 IS Ø4.0425 - 4.0411. -109 CORRECTED MATERIAL WAS 6160 IS 6061.	1/27/2015	RJC	JAG

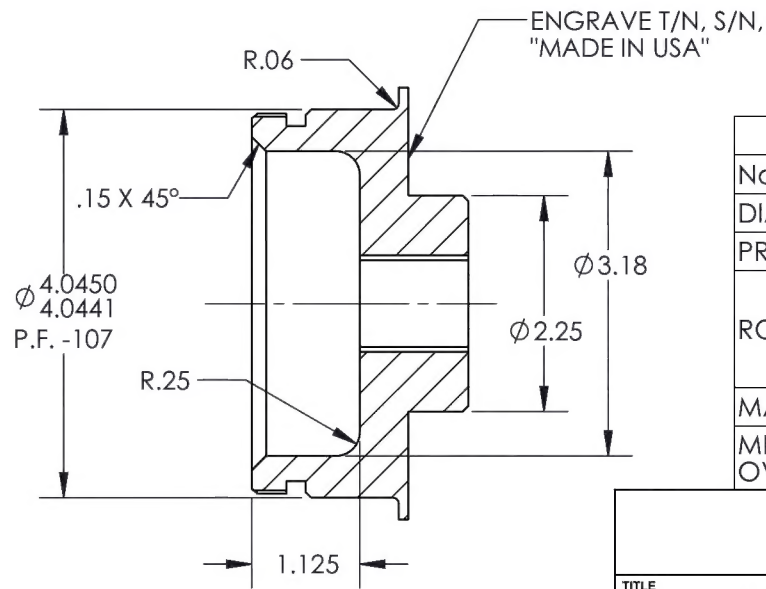
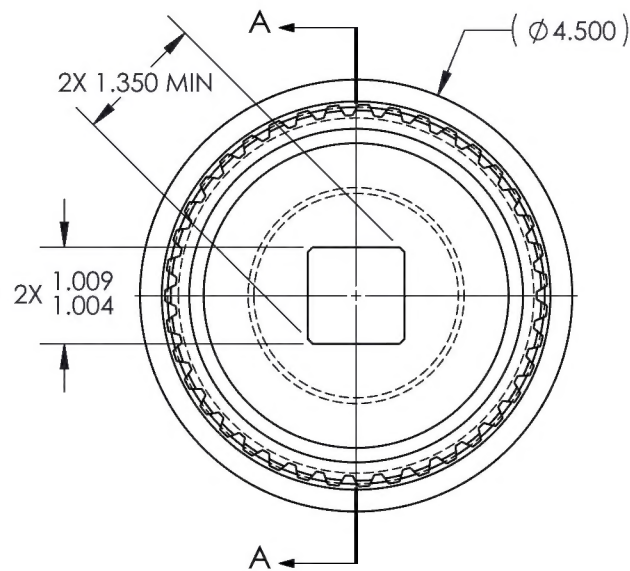
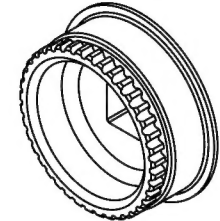
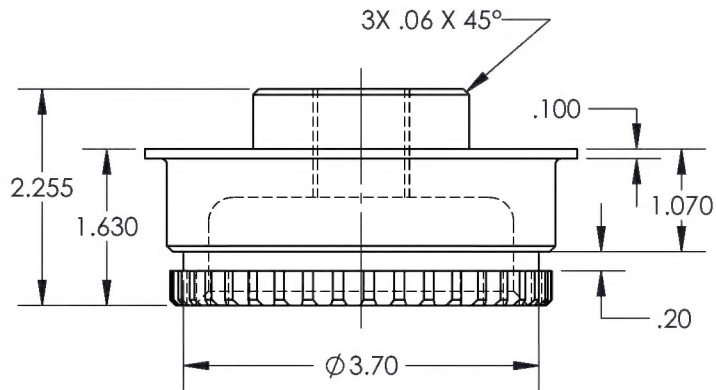


ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-103	1	WRENCH	4140 Q&T / 4142 Q&T		2
			-107	1	RING	6061-T6		3
			-109	1	PLATE	6061		4
		B/O	-111	3	HEX HEAD CAP SCREW	STEEL	1/4-28 X 21/32 SPENCER AIRCRAFT AN4-5A	1

DART AEROSPACE	
TITLE WRENCH ASSEMBLY	
DWG NO. RBT400216	REV 2
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1	DRAWN BY: CLOUGH APPROVED <i>J Gilbert</i> HEAT TREAT FINISH SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL BELL 407
SCALE 1:2	DATE 1/27/2015
SHEET 1 OF 4	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-103 ADDED ENGRAVE NOTE, ADDED SECTION VIEW, CH'D MATERIAL, ADDED TOLERANCE & P.F.	6/26/09	RJC	
2	15-0020	-103 CH'D SQUARE DRIVE WAS 1.000 SQUARE, IS 2X 1.004-1.009 WITH 1.350 MIN. DIM. CH'D DIMENSION WAS Ø4.045 +.000-.001 IS Ø4.0450 - 4.0441.	1/27/2015	RJC	JAG



EXTERNAL INVOLUTE SPLINE DATA	
No. TEETH	39
DIAMETRAL PITCH	10/20
PRESSURE ANGLE	30°
ROOT & FIT	FLAT ROOT, MAJOR DIA. FIT (FILLET ROOT OPTIONAL)
MAJOR DIAMETER	3.975 - 3.980
MEASUREMENT OVER Ø.1728 PINS	4.1320

SECTION A-A

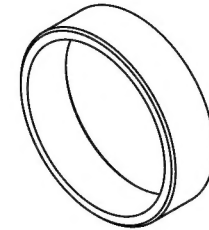
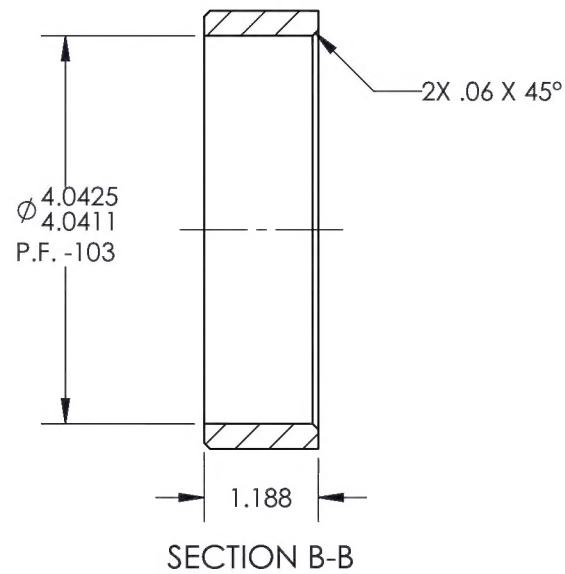
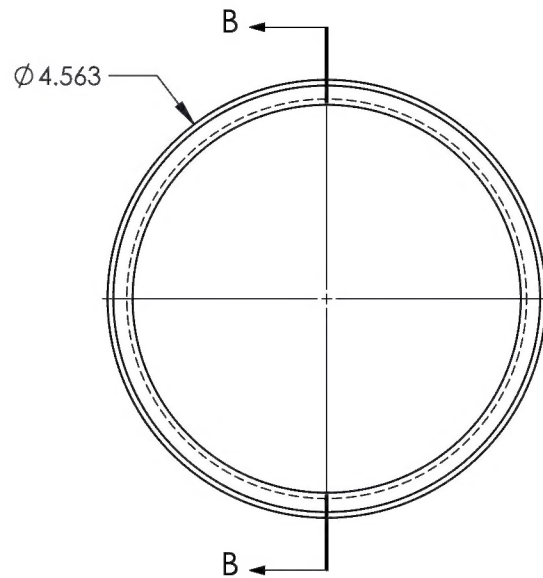
-103

WRENCH

DART AEROSPACE	
TITLE WRENCH ASSEMBLY	
DWG NO. RBT400216-103	REV 2
MAT'L 4140 Q&T / 4142 Q&T	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX ± .005 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH CAD PLATE YELLOW
.X ± .1	SPEC QQ-P-416F, TYPE II, CLASS II
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	BELL 407
SCALE 1:2	DATE 1/27/2015
SHEET 2 OF 4	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-107 ADDED SECTION VIEW, ADDED TOLERANCE & P.F. NOTE.	6/26/09	RJC	
2	15-0020	-107 CH'D DIMENSION WAS Ø4.044 +.001-.000 IS Ø4.0425 - 4.0411.	1/27/2014	RJC	JAG

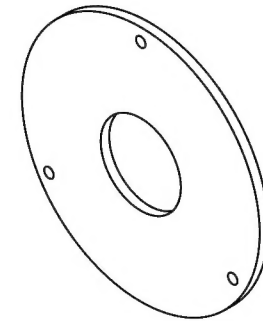
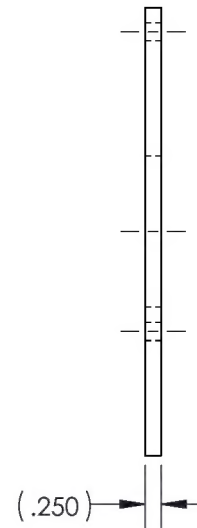
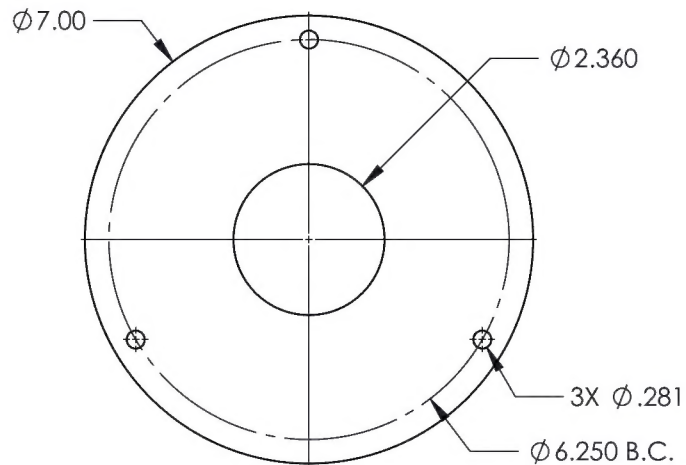


(-107)
RING

DART AEROSPACE	
TITLE WRENCH ASSEMBLY	
DWG NO. RBT400216-107	REV 2
MAT'L 6061-T6	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH
.X ± .1	CLEAR ANODIZE
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC MIL-A-8625F, TYPE II, CLASS I
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
	BELL 407
SCALE 1:2	DATE 1/27/2015
SHEET 3 OF 4	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	15-0020	-109 CORRECTED MATERIAL WAS 6160 IS 6061.	1/27/2015	RJC	JAG



-109

PLATE

DART AEROSPACE	
TITLE WRENCH ASSEMBLY	
DWG NO. RBT400216-109	REV 2
MAT'L 6061	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>J Gilbert</i>
.XXX $\pm .005$	HEAT TREAT
.XX $\pm .01$	FINISH CLEAR ANODIZE
.X $\pm .1$	SPEC MIL-A-8625F, TYPE II, CLASS I
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	BELL 407
SCALE 1:3	DATE 1/27/2015
SHEET 4 OF 4	